

DE KALB FENCE COMPANY

DE KALB ILL. U.S.A.



MANUFACTURERS OF

WIRE FENCING FOR ALL PURPOSES

De Kalb Fence Company

DE KALB, ILL., U. S. A.



Sales Offices

De Kalb, Ill.

New York

Kansas City

San Francisco


Works

De Kalb, Ill.

New Haven, Conn.

Oakland, Cal.

DE KALB CABLED FIELD AND HOG FENCE.

 HIS fence is made of the best galvanized steel wire obtainable. The pickets are of No. 12 wire and the horizontal strands are made of two No. 14 wires coiled together, except in all heights above 30 inches the top strand is made of two No. 12 wires. The pickets pass between the wires of the cables and cannot slip.

The De Kalb Fence is never seen stripped of its pickets. It can be erected on uneven ground as readily as barb wire. The coil in the cables, reversing at every picket, makes a continuous coil spring, which provides perfectly for expansion and contraction caused by heat or cold.

It is undisputed that cables allow for contraction and expansion better than single wires. In the construction of the largest bridges in the world, where great strength is required, cables are always used. This principle is incorporated in our Cabled Field and Hog Fence, and is unquestionably the best.

De Kalb Fencing has now become so well known that there is hardly a dealer who is not familiar with it, and our literature has been so well distributed that it is read at almost every fireside.

We have the largest exclusive wire fence plant in the United States, and manufacture a greater variety of smooth wire fencing than all other manufacturers combined, making good our claim that we manufacture "wire fencing for all purposes."

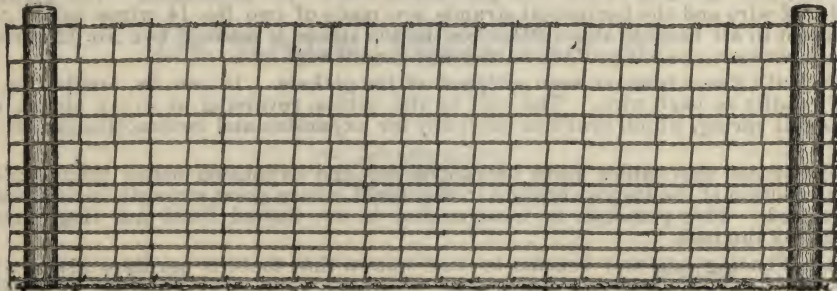
CODES USED: A B C, 4TH EDITION.
WESTERN UNION.

Registered Cable Address: "DeKfence Chicago."

Respectfully,

DE KALB FENCE CO., De Kalb, Ill.

REGULAR FIELD, HOG AND SHEEP FENCE.



Patented October 10, 1893.

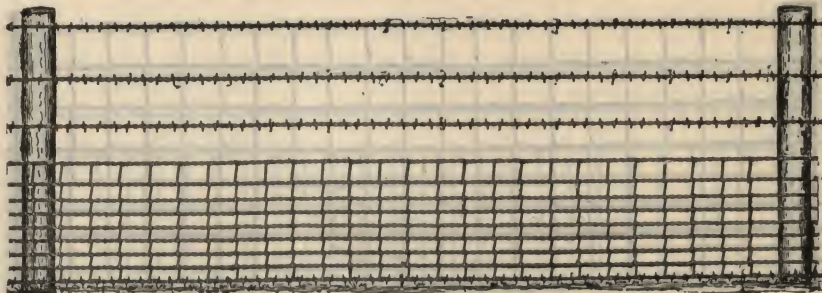
Pickets either 6 or 12 inches apart—with or without barbs on bottom cable. 21, 24, 30, 35, 42, 50 and 58-inch heights. The above represents 50-inch fence, 13 cables.

Spacing, $2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$, $3\frac{1}{4}$, $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4, 5, 6, 7 and 8 inches.

This fence has more horizontal strands and a greater strength than any other field fence of the same height on the market.

For list prices see page 6.

REGULAR FIELD, HOG AND SHEEP FENCE.

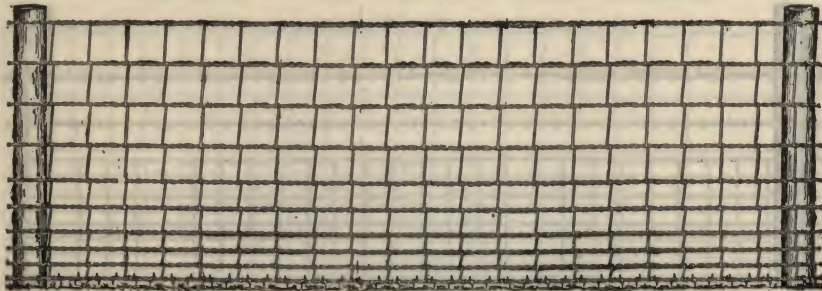


Patented Oct. 10, 1893.

Pickets either 6 or 12 inches apart—with or without barbs on bottom cable.

The above represents the 24-inch No. 1 Regular, which is our very best. Notice the number of strands. Built for rough ground and mean hogs. It is economy to buy the best.

For list prices and heights see page 6.

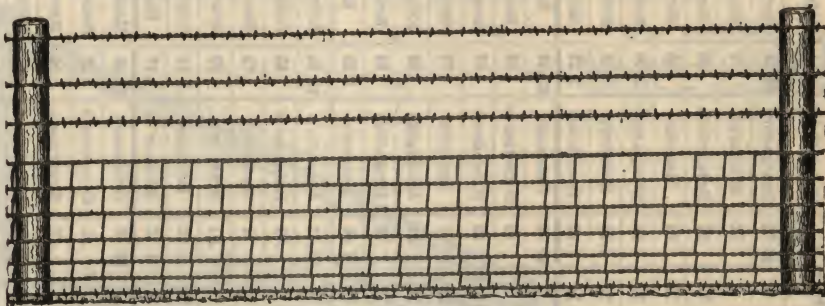
SPECIAL FIELD, HOG AND SHEEP FENCE.

Patented Oct. 10, 1893.

Pickets either 6 or 12 inches apart—with or without barbs on bottom cable. 21, 24, 30, 42, 50 and 58-inch height. The above represents 50-inch fence, 10 cables. Spacing, 3, 3, $3\frac{1}{2}$, $4\frac{1}{2}$, $5\frac{1}{2}$, $6\frac{1}{2}$, $7\frac{1}{2}$, 8 and 8 inches.

The No. 2 Special, with pickets 12 inches apart, is used extensively for sheep and cattle fences. Sure to please.

For list prices see page 6.

SPECIAL FIELD, HOG AND SHEEP FENCE.

Patented October 10, 1893.

Pickets either 6 or 12 inches apart—with or without barbs on bottom cable.

The above cut represents our 24-inch No. 1 Special Hog Fence, which is the most popular fence sold. You can make no mistake in buying it. Like all De Kalb fences it is easy to erect and always remains in place.

For list prices and heights see page 6.

CABLED FIELD, HOG AND SHEEP FENCING

List Prices—Subject to Discount.

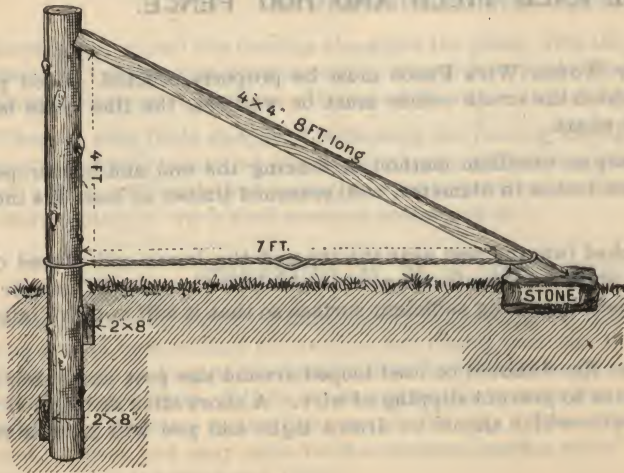
De Kalb Fence Co.

Height Inches	No. of Cables	Without Barbs on Bottom Cable		With Barbs on Bottom Cable	
		Price per Rod	Code Word	Price per Rod	Code Word
"Regular"	21	\$0.56	Retejadora	\$0.58	Retegebat
	24	.70	Retejaren	.72	Retegetis
	30	.80	Retejedura	.82	Retegunt
	35	.94	Retejia	.96	Reteiller
	42	1.04	Retejlamos	1.06	Reteindre
No. 1	50	1.14	Retejiera	1.16	Retejadas
	58	1.23	Retejieses	1.25	Retejado
	21	\$0.46	Retenais	\$0.48	Retejo
	24	.60	Retendamus	.62	Retellies
	30	.65	Retendreis	.67	Retembiada
No. 2	35	.77	Retenez	.79	Retemptabo
	42	.84	Retengais	.86	Retemptes
	50	.92	Retenidas	.94	Retempto
	58	1.06	Retenons	1.08	Reten
	21	\$0.52	Retentiva	\$0.54	Retentabar
"Special"	24	.61	Retentoris	.63	Retentaras
	30	.71	Retentriz	.73	Retentaste
	42	.91	Retentum	.93	Retentemos
	50	1.02	Retenue	1.04	Retentemur
	58	1.15	Retepor'te	1.17	Retentif
No. 1	21	\$0.43	Retesasen	\$0.45	Reteramur
	24	.51	Retexerunt	.53	Reterendas
	30	.62	Retexisset	.64	Reterendo
	42	.72	Rethra	.74	Retergebo
	50	.81	Retiaculum	.83	Retersant
"Special"	58	.89	Retiary	.91	Retersimus
	21	\$0.43	Retesasen	\$0.45	Reteramur
	24	.51	Retexerunt	.53	Reterendas
	30	.62	Retexisset	.64	Reterendo
	42	.72	Rethra	.74	Retergebo
No. 2	50	.81	Retiaculum	.83	Retersant
	58	.89	Retiary	.91	Retersimus

De Kalb, Illinois

In telegraphing use Code words. Standard rolls 20 rods each. State if "Regular" or "Special"—No. 1 or No. 2—and if with or without barbs on bottom cable.

BRACING END POSTS FOR DE KALB FIELD FENCE.



This cut shows one of the best methods of setting end and corner posts. Notice instructions on following page.

ERECTING DE KALB FIELD AND HOG FENCE.

TO secure the best results your Woven Wire Fence must be properly erected. Good posts are essential and those on which the strain comes must be well set, the line posts being placed from sixteen to twenty feet apart.

On preceding page we illustrate an excellent method of bracing the end and corner posts. These posts should be at least seven inches in diameter, well seasoned timber at least 4x4 inches in size being used for the brace.

The upper end of brace is notched into the post near the top and the lower end placed on a stone, block of cement, or if these are not convenient a good-sized block of wood will answer the purpose, the idea being to use something giving sufficient surface so that it will not sink into the ground in wet weather.

For the straining wire No. 7 or No. 8 should be used looped around the post and lower end of wood brace, which is notched so as to prevent slipping of wire. A short stick or iron rod will answer for twisting the straining wire which should be drawn tight and you will have a truss that will stand almost any strain.

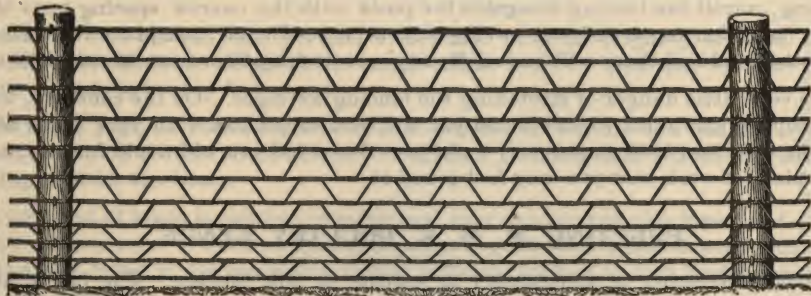
STRETCHING THE FENCE.

IN stretching, unroll the fencing alongside the posts with the narrow spacing next the posts. Securely fasten fencing to end post, having pickets perpendicular, then place Wide Stretcher in position at other end and there will be no difficulty in stretching 20 or even 40 rods "till it sings."

There is very little danger of stretching the fencing too tight. On the contrary, unless the fencing is properly stretched when erected you will be disappointed with your fence after completed. Take sufficient time to properly build your fence and you will avoid future trouble and will have a piece of work that you may feel proud of.

ERECTING M. M. S. POULTRY FENCE.

An expensive stretcher is unnecessary in putting up this fencing. The full width of the fencing should be stretched at one time and clamp bars can be arranged quickly by using two 1x4-inch boards as long as the fencing is wide which should be bolted together on the fencing and stretcher attached. A light block and tackle or an ordinary barb wire stretcher will answer admirably for drawing up the light weight fencing. Do not use a rail at either top or bottom as it is not required and only adds to the expense, besides when used at the top it makes a dark object on which the fowls can light.

M. M. S. FIELD, HOG AND SHEEP FENCE.

Patented July 21, 1896, July 6 1897.

All horizontal lines are cables made of two No. 14 galvanized steel wires coiled together. The mesh wires are also No. 14, and there are 33 meshes to the rod.

Made in 14 heights from 14 inches to 96 inches. The above represents the 50-inch fence.

Spacing, 3, 3, 3, $4\frac{1}{2}$, $4\frac{1}{2}$, 6, 6, 6, 6 and 6 inches.

M. M. S. FIELD, HOG AND SHEEP FENCE

List prices—Subject to Discount.

HEIGHT.	CABLES.	PER ROD.	CODE WORD.
14 inches.	5.....	\$0.42	Ribada
18 "	6.....	.52	Ribadendo
25 "	7.....	.62	Ribadimmo
31 "	8.....	.72	Ribadirono
37 "	9.....	.82	Ribadisco
43 "	10.....	.92	Ribadissi
50 "	11.....	1.02	Ribaditura
56 "	12.....	1.12	Ribadoquin
63 "	13.....	1.22	Ribagnollo
69 "	14.....	1.32	Ribagorza
75 "	15.....	1.42	Ribaldaria
81 "	16.....	1.52	Ribaldella
88 "	17.....	1.62	Ribaldia
96 "	18.....	1.72	Ribaldish

M. M. S. CATTLE FENCE

In our **M. M. S. Cattle Fence**, all of the cables are 6 inches apart, otherwise it is the same as the **M. M. S. Field and Hog Fence**. It is designed for **sheep and larger stock**, but is not recommended for hogs.

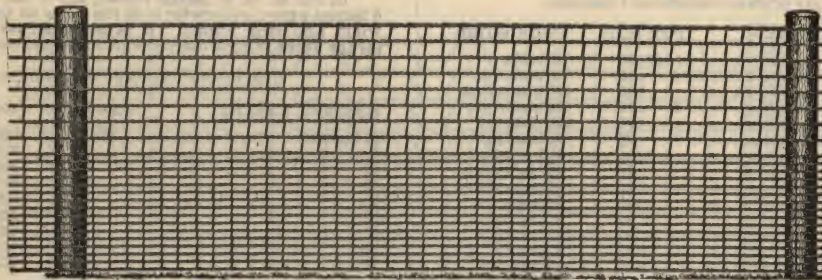
List Prices—Subject to Discount.

HEIGHT.	CABLES.	PER ROD.	CODE WORD.
25 inches.	5.....	\$0.47	Ribaldo
31 "	6.....	.57	Ribaldona
37 "	7.....	.67	Ribaldrous
43 "	8.....	.77	Ribaldry
50 "	9.....	.87	Ribambelle
56 "	10.....	.97	Ribassarla
63 "	11.....	1.07	Ribassolla
69 "	12.....	1.17	Ribastona
75 "	13.....	1.27	Ribaudeau

Our **M. M. S. Field, Hog and Sheep**, and **M. M. S. Cattle Fences** are made very strong, and are the only successful fences now produced with a continuous connecting or mesh wire. We use nothing but the very best galvanized steel wire. They stretch up nicely.

All horizontal lines are cables.
All put up in 20-rod rolls.

CABLED POULTRY, GARDEN AND RABBIT FENCE.



Patented October 10, 1893.

The above represents the most popular height—50 inches—which has 24 cables.

The construction of this fence is the same as our Cabled Field and Hog Fence. The cables are $1\frac{1}{2}$ inches apart for the first two feet from the bottom of the fence; in the next 26 inches they are $3\frac{1}{4}$ inches apart, and above this $4\frac{1}{2}$ inches.

Designed especially for a poultry fence, to be used anywhere for any purpose. Poultry tight, and strong enough for all kinds of stock.

CABLED POULTRY, GARDEN AND RABBIT FENCING.



Patented October 10, 1893.

A PERFECT FENCE FOR UNEVEN GROUND.

List Prices—Subject to Discount.

CABLES OF TWO No. 16 GALVANIZED STEEL WIRES.

The pickets of this fencing are made of No. 14 galvanized steel wire, 6 inches apart.

	PER ROD	CODE WORD		PER ROD	CODE WORD
24 inches high, 16 cables.....	\$0.82	Retocabais	50 inches high, 24 cables.....	\$1.32	Retocador
37 inches high, 20 cables.....	1.07	Retocada	63 inches high, 27 cables.....	1.60	Retocando

A good substantial FENCE, not a netting.

M. M. S. POULTRY FENCING—Standard Mesh.



Patented July 21, 1896, July 6, 1897.

[TRADEMARK]
REGISTERED

Every roll of **Genuine M. M. S. Fencing** will contain the above trade mark in colors.

M. M. S. POULTRY FENCING.

HAS POINTS OF MERIT WORTHY OF ATTENTION.

THE salient features of merit in this fencing are found in its multitude of horizontal wires, the cabled selvage and cable every foot in the height of fence, to say nothing of the connecting mesh wires; this, coupled with its peculiar construction, bars any possibility of its contracting, sagging or narrowing together between the posts; therefore we do away with the top and bottom rail and fully one-half the number of posts ordinarily required, which reduces the actual cost of the completed fence to a minimum. These items alone insure a saving of fully 50 per cent. to the user, without taking into account the fact that a fence with a top rail must be much higher than one without to be of equal service, for a top rail, being visible, marks the height of the fence and gives the fowl something to light on. It is made of the best galvanized steel wire, smoothly and evenly woven, and retains its full height before as well as after stretching.

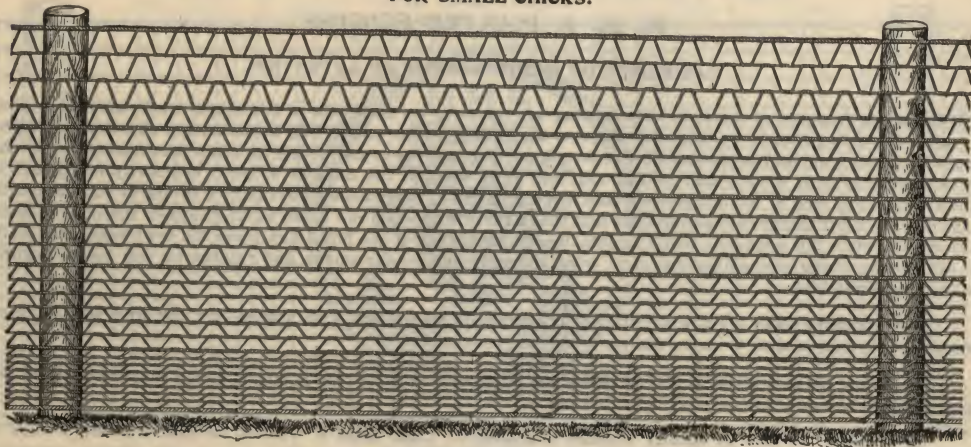
The **Standard Mesh** is made of both No. 19 and No. 16 galvanized wire, spaced—for the first foot $1\frac{1}{2}$ inches, second foot $2\frac{1}{2}$ inches, and $3\frac{1}{2}$ inches above.

The **Close Mesh** is made of No. 19 galvanized wire only, spaced—for the first foot $1\frac{1}{2}$ inches, second foot 2 inches, and $3\frac{1}{2}$ inches above.

In ordering be sure to specify whether Standard or Close Mesh is wanted, as otherwise we always ship Standard Mesh.

For list prices see page 17.

M. M. S. POULTRY FENCE—Close Mesh
FOR SMALL CHICKS.



Patented July 21, 1896, July 6, 1897.
Be sure to specify for **Close Mesh**—otherwise we will ship the Standard Mesh.

M. M. S. POULTRY FENCING.

LIST PRICES—Subject to Discount.

HEIGHT	STANDARD MESH <i>65%</i>				CLOSE MESH <i>64 1/2%</i>	
	No. 19 Galv. Wire		No. 16 Galv. Wire		No. 19 Galv. Wire	
	PER ROD	CODE WORD	PER ROD	CODE WORD	PER ROD	CODE WORD
12 inches.....	\$0.26	Ridacchia	\$0.39	Ridannerai	\$0.34	Riesca
18 ".....	.32	Ridagni	.58	Ridanno	.40	Rieselbach
24 ".....	.40	Ridagnus	.76	Ridannolla	.48	Rieseltest
30 ".....	.47	Ridannammo	.88	Riddance	.55	Riesenarm
36 ".....	.53	Ridannando	.98	Ridderboek	.61	Riesenbau
42 ".....	.59	Riduttore	1.10	Riducibile	.67	Riesenbild
48 ".....	.65	Ridannarla	1.22	Ridderdaad	.73	Riesenbame
60 ".....	.77	Ridannassi	1.51	Ridderreed	.85	Riesenfass
72 ".....	.87	Ridannato	1.72	Ridderemmo	.95	Riesengrab
84 ".....	.99	Ridannava	1.83	Riddergoed	1.07	Riesenhaft

Put up in 10 and 20 rod rolls. Always specify size of roll wanted.

In ordering Close Mesh Fence be careful to so specify, as otherwise we will ship Standard Mesh.

See page 18 for directions for erecting.

ORNAMENTAL STRIP.



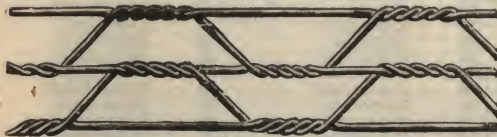
Patented December 15, 1891.

THIS cut shows our ornamental strip; weight $1\frac{1}{4}$ pounds to the rod. Put up on spools same as barb wire, of about 100 pounds each. This strip is made of three No. 12 galvanized steel wires, so that there is no strain on the corrugated portion of it, and it will, therefore, always keep its shape perfectly.

List Price, 9 Cents per Pound. Code word, RETORTIVE.

Clutch for stretching ornamental strip.....40 cents list. Code word, RETORTURER.

STEEL WIRE BOARD FENCING.



Patented July 21, 1896; July 6, 1897.

$4\frac{1}{4}$ inches wide, which weighs $2\frac{1}{4}$ pounds to the rod.

Put up in rolls of 100 to 150 pounds each.

$2\frac{1}{4}$ -inch, which weighs $1\frac{1}{4}$ pounds to the rod.

Put up in rolls of 75 to 80 pounds each.

IT IS made of No. 12 galvanized steel wires woven together in such a manner that stock coming against it must overcome the combined strength of these wires before breaking through it. It is made purposely to resist the attack of large and unruly stock, and is the strongest narrow fence now made.

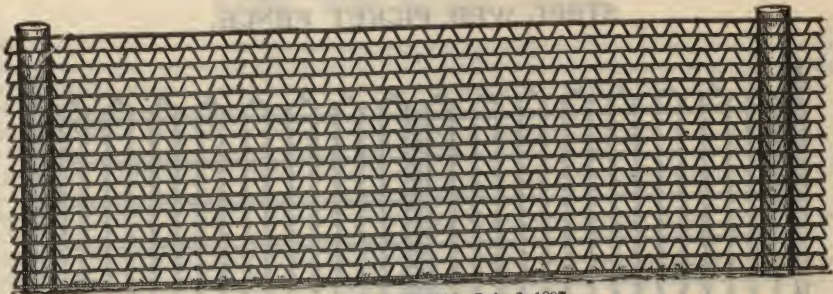
Three of these boards placed on the bottom of the fence, and two ornamental strips on the top, make not only a very strong fence but a very handsome one at a reasonable cost.

Code word, RETORTA.

List Price, 9 Cents per Pound.

Clutch for stretching wire board fencing.....40 cents list. Code word, RETORTURUM.

M. M. S. LAWN FENCE.



Patented July 21, 1896, July 6, 1897.

This fence was constructed to meet the growing demand for a cheap yet neat and substantial close mesh lawn fence. It is made only of No. 16 galvanized steel wire, the spacing between horizontal lines all the way up being 3 inches. The selvage is a cable composed of two No. 16 wires and it also has a cable every foot in height. It is especially adapted for door yards, division fences, gardens, orchards, etc.

LIST PRICES—SUBJECT TO DISCOUNT.

	PER ROD.	CODE WORDS		PER ROD.	CODE WORD
24 inches high.....	\$0.55	Ridderorde	48 inches high.....	\$1.05	Ridderspel
36 " " .....	.83	Ridderslot	60 " "	1.30	Ridderzaal
Standard rolls 20 rods each.					

STEEL WEB PICKET FENCE.



Patented December 15, 1891; July 11, 1893.

The above cut represents the 37-inch height of our Steel Web Picket Fence erected on steel posts and top rail. The pickets are made of three No. 12 galvanized steel wires, uniformly spaced $2\frac{1}{4}$ inches apart, and held firmly in place by cables $6\frac{1}{2}$ inches apart, each made of two No. 12 steel galvanized wires, making a very handsome combination.

STEEL WEB PICKET FENCE.

In this combination we acquire considerable economy, produce a better fence and overcome all serious objections to pickets made of a single wire, which are known to easily bend and break, and which of necessity must be heavy, requiring more power to crimp it, crystalizing the metal at these points, making them hard and brittle and easily broken, besides destroying the galvanizing.

In **Steel Web Pickets** we get a very strong picket by weaving a number of smaller wires together in which only one-third of the weight of the picket passes through the crimping machine, enabling us to use a much smaller wire for this part of the picket and requires but little to form it, therefore neither affecting the elasticity of the wire nor the galvanizing, but leaving the entire picket strong, tough and elastic.

It stands in the lead for door-yard, lawn, cemetery or park purposes, whether in the city or in the country. Made of the best **galvanized steel**, yet **cheaper than wood**.

You will please bear in mind, when we say pickets $2\frac{1}{2}$ inches apart, that the measurement is made between the points of corrugation of the two adjacent pickets, and not from the center of one picket to the center of the next.

List Prices—Subject to Discount.

Standard Fence, Pickets $2\frac{1}{2}$ Inches Apart.

	PRICE.	CODE WORD.
4 Strands, 24 in. high..per lineal foot,	12c	Restipuler
5 Strands, 30 in. high.. " "	15c	Restitabis
6 Strands, 37 in. high.. " "	18c	Restitabo
7 Strands, 43 in. high.. " "	21c	Restitavit
8 Strands, 50 in. high.. " "	24c	Restitrix

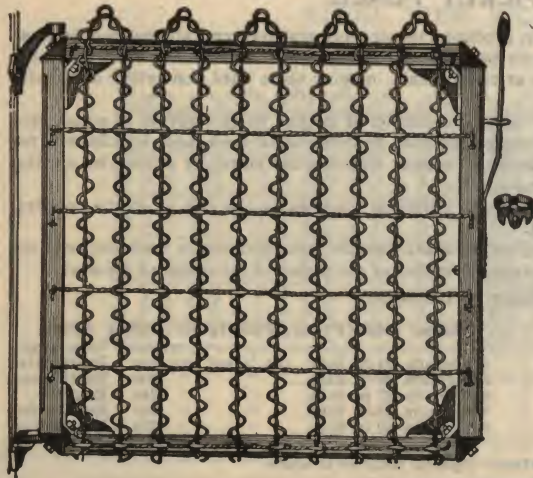
Close Mesh Fence, Pickets $1\frac{1}{4}$ Inches Apart.

	PRICE.	CODE WORD.
4 Strands, 24 in. high..per lineal foot,	16c	Restituais
5 Strands, 30 in. high.. " "	20c	Restituant
6 Strands, 37 in. high.. " "	24c	Restitue
7 Strands, 43 in. high.. " "	28c	Restituido
8 Strands, 50 in. high.. " "	32c	Restituons

Full rolls of Picket Fence 300 feet. Special lengths to order.

For directions for erecting see page 34.

STYLE No. 1.



Patented December 15, 1891; July 11, 1893; April 24, 1894.

STEEL WEB PICKET WALK GATES.

WOOD FRAME with metal corners and brackets.
Standard size, 3 feet wide by 37 inches high.

The body of all these gates is made of $1\frac{1}{4} \times 1\frac{1}{4}$ inch good oak wood, finished in oil (two coats), and metal corners and brackets japanned. This construction not only makes a strong, but a very handsome gate, and is admirably adapted to be used with our Steel Web Picket Fence when on wood posts. All walk gates require a space 5 inches wider between posts than the gate, to allow for hinges and latch.

WALK GATES. List Prices—Subject to Discount.

WITH HINGES AND LATCH

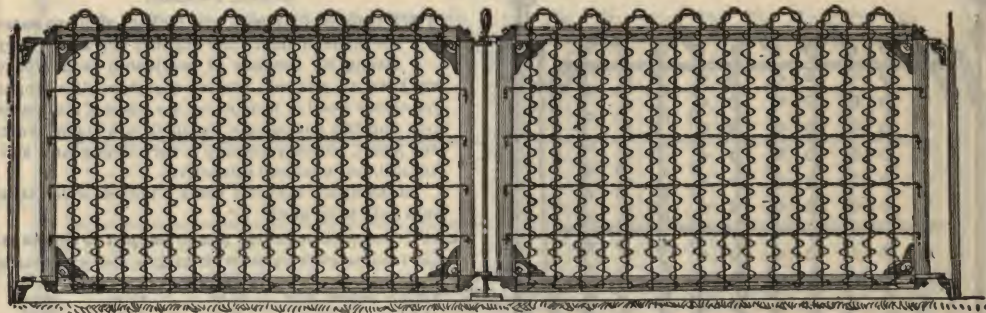
Width.	Height, 30 in.	37 in.	43 in.	50 in.
3 feet.....	\$5.00	\$5.00	\$5.00	\$5.00
Code word....Retractif		Retractons	Retractor	Retractura
$3\frac{1}{4}$ feet.....	\$5.50	\$5.50	\$5.50	\$5.50
Code word...Retradebat		Retradimus	Retrahamur	Retraheris
4 feet.....	\$6.00	\$6.00	\$6.00	\$6.00
Code word....Retrahido		Retraidas	Retraigan	Retraitan

For odd sizes add one dollar to the next nearest standard size.

In ordering always state if you want hinges for wood or iron posts.

Order Style of Gates by Number or Code Word.

STEEL WEB PICKET DOUBLE DRIVE GATES--Wood Frames. STYLE No. 2.



Patented December 15, 1891; July 11, 1893; April 24, 1894.

STANDARD WIDTH, 9 FEET.

These gates are made of same material and finished same as wood frame walk gates. Space between posts should be 8 inches wider than gate.

We carry in stock only one width, 9 feet, and all heights to suit the height of steel web picket fence.

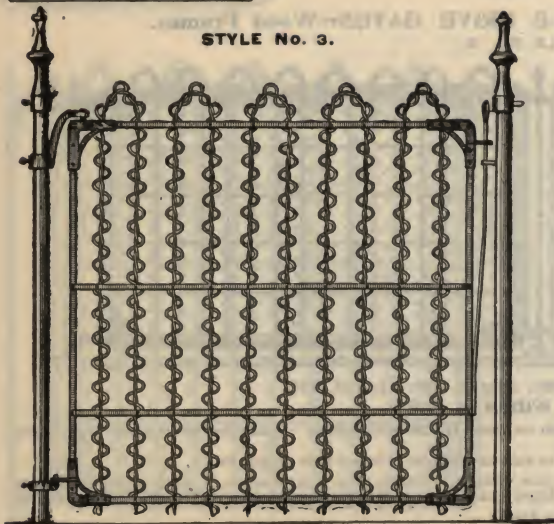
30 IN. HIGH	CODE WORD	37 IN. HIGH	CODE WORD	43 IN. HIGH	CODE WORD	50 IN. HIGH	CODE WORD
9 feet wide.....	\$13.00 Retraite	\$13.00 Retrajas		\$13.00 Retrajese		\$13.00 Retranca	

For odd sizes, add \$2.00 extra for each foot or fraction of a foot.

Be particular to give height of gates wanted, also whether hinges are for wood or iron posts.

Order Style of Gates by Number or Code Word.

STYLE No. 3.



Patented December 15, 1891; September 24, 1895.

STEEL WEB PICKET WALK GATES. STEEL FRAME.

THE frames, crossbars and pickets of these gates are made of steel; the corners are made very strong by the use of malleable iron sleeve brackets, all securely riveted together; the hinges (for either wood or iron posts) are made of malleable iron, and the entire gate finished in a black enameled japan, not only making it very strong and substantial, but neat and attractive.

Make space between posts 5 inches wider than walk gate to be used.

List Prices (not including posts) Subject to Discount.

Steel frame walk gates with hinges and everything complete.

Width,	Height, 30 in.	37 in.	43 in.	50 in.
3 feet....	\$6.00	\$6.00	\$6.25	\$6.50
Code word. Retrancher		Retranqueo	Retranseo	Retrasaba
3½ feet..	\$6.25	\$6.25	\$6.50	\$6.75
Code word. Retratador		Retrataran	Retratista	Retraverse
4 feet....	\$6.50	\$6.50	\$6.75	\$7.00
Code word. Retread		Retreading	Retreatful	Retrempans

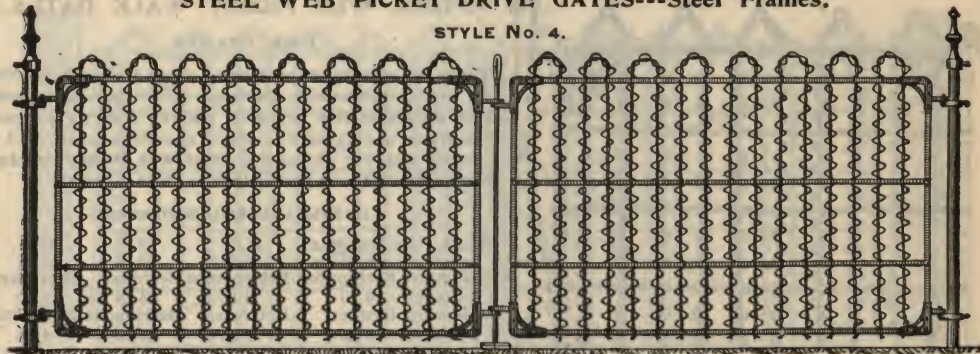
For odd sizes add \$1.00 to the next nearest standard size.

Order Style of Gates by Number or Code Word.

Do you want hinges for wood or iron posts?

STEEL WEB PICKET DRIVE GATES---Steel Frames.

STYLE No. 4.



Patented December 15, 1891; September 24, 1895.

The construction and finish of these gates are the same as on our steel frame walk gates, but the frames and corner brackets are heavier. Space between the posts should be 8 inches wider than the gates to be used.

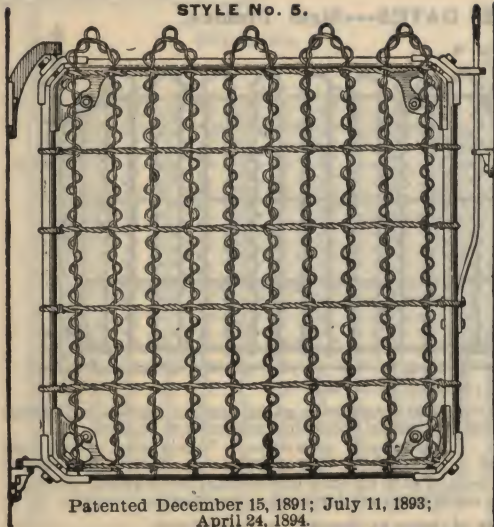
30 IN. HIGH	CODE WORD	37 IN. HIGH	CODE WORD	43 IN. HIGH	CODE WORD	50 IN. HIGH	CODE WORD
9 feet wide.....	\$14.00	Retrench	\$14.50	Retrenched	\$16.00	Retrepaba	\$18.00
						Retrepadas	

We carry in stock but one width, 9 feet. For odd sizes add \$2.00 for each foot or fraction of a foot.

To save time in filling your orders, be sure to say if gates are for wood or iron posts.

Price does not include Posts. Order Style of Gates by Number or Code Word.

STYLE No. 5.



Patented December 15, 1891; July 11, 1893;
April 24, 1894.

STEEL WEB PICKET WALK GATES.

PIPE FRAMES.

THE end and side bars of these gates are made of steel pipe, 1 inch outside diameter; the corners are braced with malleable iron brackets, making a very rigid gate. This frame is painted with black enameled japan, and is covered with our galvanized **Steel Web Picket Fencing**. Make space between posts 5 inches wider than gate.

List Prices—Subject to Discount.

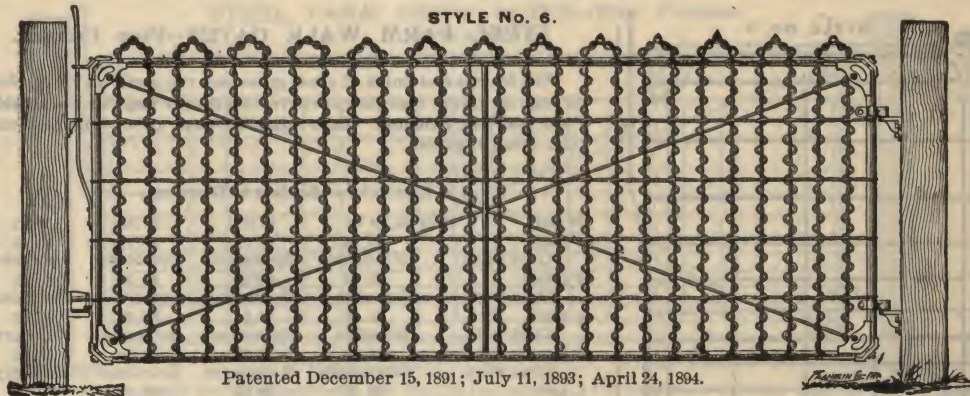
Width.	Height, 30 in.	37 in.	43 in.	50 in.
3 feet	\$5.75	\$5.75	\$6.00	\$6.25
Code word. Retrepador	Retrepamos	Retrepar	Retreparon	
3½ feet ..	6.00	6.00	6.25	6.50
Code word. Retrepo	Retretas	Retribuons	Retribute	
4 feet	6.25	6.25	6.50	6.75
Code word. Retributio	Retributor	Retribuyas	Retrieve	
4½ feet ..	6.50	6.50	6.75	7.00
Code word. Retrieving	Retrilhar	Retrillado	Retrillo	
5 feet	6.75	6.75	7.00	7.25
Code word. Retrim	Retrimemto	Retrimmed	Retrimming	

Hinges for wood or steel posts. For odd sizes add \$1.00 to the next nearest standard size.

Order Style of Gates by Number or Code Word.

STEEL WEB PICKET DRIVE GATES--Pipe Frames.

STYLE No. 6.



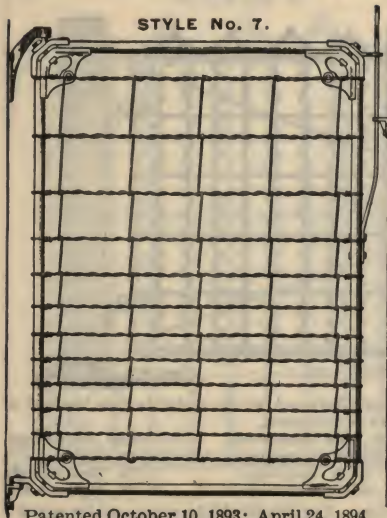
Patented December 15, 1891; July 11, 1893; April 24, 1894.

Construction same as our Steel Pipe Frame Walk Gates, except size of pipe used, which is $1\frac{1}{4}$ inches instead of 1 inch outside diameter, and $\frac{1}{8}$ round steel brace rods. **List Prices—Subject to Discount.**

	30 IN. HIGH	CODE WORD	37 IN. HIGH	CODE WORD	43 IN. HIGH	CODE WORD	50 IN. HIGH	CODE WORD
9 feet wide	\$13.00	Retrincado	\$13.50	Retroactif	\$14.00	Retroages	\$14.50	Retroar
10 "	13.25	Retrincar	13.75	Retroactos	14.25	Retroago	14.75	Retrobanda
12 "	13.75	Retroacted	14.25	Retroactum	14.75	Retroagunt	15.25	Retrocados

Double gates, same widths and heights, \$2.50 more than above prices. For single drive gates, make space 5 inches wider than width of gate, and for double drive gates make space 8 inches wider than width of gate.

STYLE No. 7.



Patented October 10, 1893; April 24, 1894.

STEEL FARM WALK GATES--Pipe Frames.

The frames and finish of these gates are the same as Style No. 5, on page 26, except that they are covered with our **Regular No. 1 Cabled Field and Hog Fencing**. Make space between posts 5 inches wider than width of gates.

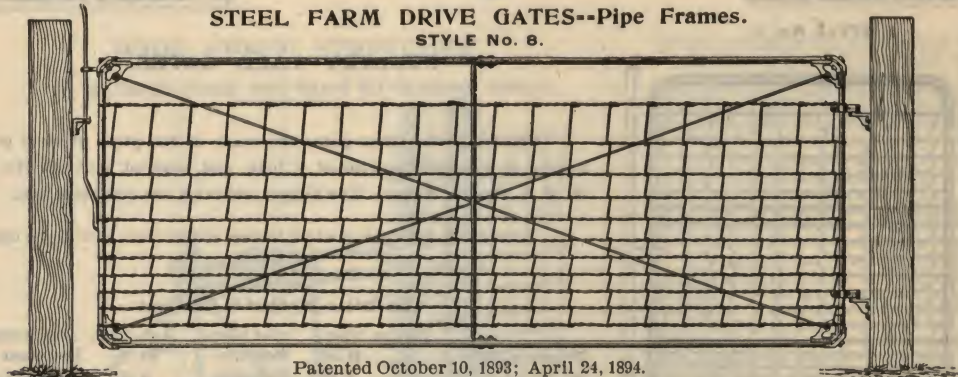
List Prices—Subject to Discount.

Width.	Height, 34 in.	42 in.	50 in.	58 in.
3 feet.....	\$5.25	\$5.50	\$5.75	\$6.00
Code word.....	Retroceder	Retrocedo	Retrocesso	Retrochoir
3½ feet.....	\$5.50	\$5.75	\$6.00	\$6.25
Code word.....	Retrodden	Retrodona	Retroduces	Retroduco
4 feet.....	\$5.75	\$6.00	\$6.25	\$6.50
Code word... ..	Retroflex	Retrofract	Retrograde	Retrogress
4½ feet.....	\$6.00	\$6.25	\$6.50	\$6.75
Code word.....	Retroguida	Retroleges	Retrolego	Retromper
5 feet.....	\$6.25	\$6.50	\$6.75	\$7.00
Code word	Retronante	Retronaras	Retronasen	Retroquer

State if hinges are for wood or steel posts. For odd sizes add \$1.00 to the nearest standard size. Gates Nos. 7 and 8 covered with any style of Field Fencing or Poultry Fencing without extra charge.

Order Style of Gates by Number or Code Word.

STEEL FARM DRIVE GATES--Pipe Frames. STYLE No. 8.



Patented October 10, 1893; April 24, 1894.

Single Drive Gates for farm purposes, the best in the market. Frames made of steel pipe, $1\frac{1}{4}$ inches outside diameter, Corners malleable casting, Cross Braces $\frac{1}{8}$ inch round steel rods, and covered with our Regular No. 1 Cabled Field and Hog Fencing.

List Prices (not including posts) Subject to Discount.

34 IN.	CODE WORD.	42 IN.	CODE WORD.	50 IN.	CODE WORD.	58 IN.	CODE WORD.
10 feet wide....\$12.00	Retrospect	\$12.50	Retrousse	\$13.00	Retrouvant	\$13.50	Retrovendo
12 " " 12.50	Retroubler	13.00	Retroussis	13.50	Retrouvons	14.00	Retrovo
14 " " 13.00	Retrouer	13.50	Retrouvais	14.00	Retrovai	14.50	Retrucaba

Double gates, same widths and heights, \$2.50 more than above prices. For single drive gates, make space 5 inches wider than width of gate, and for double drive gates make space 8 inches wider than width of gate.

STYLE No. 9.

POULTRY YARD GATES.

The frames of these gates are made of one piece of steel pipe having an outside diameter of $\frac{3}{4}$ inch, and covered with our No. 16. M. M. S. Poultry Fence. The hinges and latch are malleable iron.

Make space between posts 4 inches wider than gate to be used.

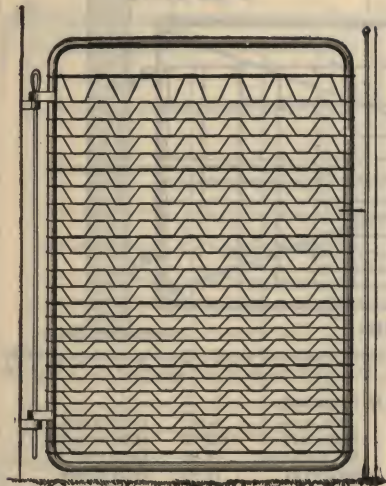
List Prices—Subject to Discount.

	3 FT. WIDE.	CODE WORDS.	4 FT. WIDE.	CODE WORDS.
36 inches high.....	\$4.50	Retterin	\$4.75	Rettetest
48 " "	4.75	Retudier	5.00	Retuerto
60 " "	5.00	Retuesta	5.25	Retulero
72 " "	5.25	Retullerunt	5.50	Retulimus
84 " "	5.50	Retulisset	5.75	Retumbadas.

For odd widths add \$1.00 to the nearest regular width.

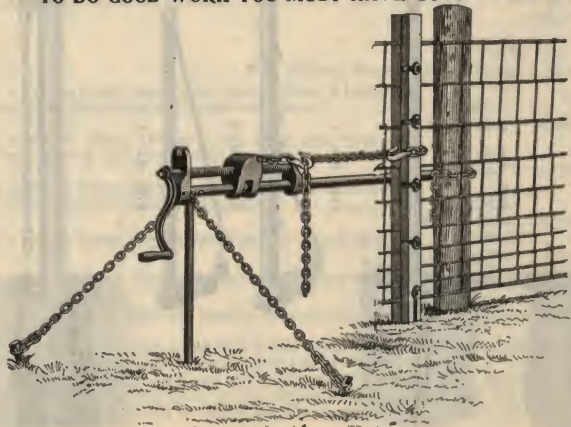
Order Style of Gates by Number or Code Word.

Pat. July 21, 1896, and July 6, 1897.



WIDE FENCE STRETCHER.

TO DO GOOD WORK YOU MUST HAVE GOOD TOOLS.



Patented November 17, 1896.

THIS Stretcher will give perfect satisfaction and will do the work better than any yet offered. It is made entirely of steel and iron, excepting the clamp-bars, which are wood. It does not require a post beyond the end fence-post to use it.

The two stakes at the outer end are used to hold the stretcher from moving sidewise while operating it. The front end is placed against the end-post of the fence, generally about one inch above the center of the fence you expect to stretch.

The cable chain is wrapped about the clamp bars, centerway of the fence, and is caught by the grab-hook in the movable block. If running the block back to the rear bearing does not pull the fence sufficiently tight, drop the loose end of the chain in the slot over the rear bearing, which will hold the fence where you have drawn it, and reverse the crank, running the movable block back to the front end, where you will again use the grab-hook on the same chain, running the block back until the fence is in proper tension.

List price, \$10.00, subject to discount.

Code word, SUCUMBIRAN

WOOD POST ORNAMENT--LIST PRICE, 75c.



FIG. NO. 1.

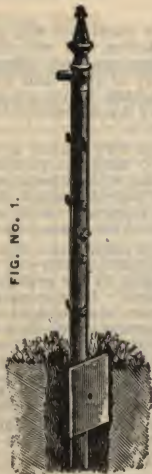


FIG. NO. 4.

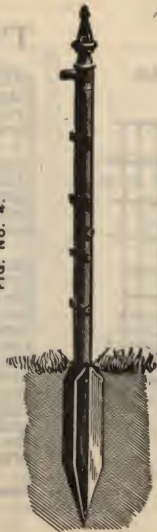


FIG. NO. 5.



FIG. NO. 7.



FIG. NO. 8.

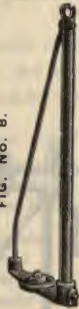
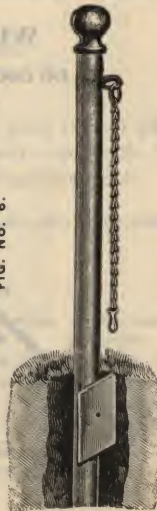


FIG. NO. 6.



STEEL POSTS AND RAILS.

LIST PRICES—SUBJECT TO DISCOUNT, AND CODE WORDS.

5 ft.	5½ ft.	6 ft.	6½ ft.
-------	--------	-------	--------

Fig. 1 Shows Steel Gate and Corner Post, 2 inches outside diameter, with all fixtures.....

\$2.30	\$2.40	\$2.50	\$2.60
Rifabals	Rifabbrica	Rifador	Rifadoras

LIST PRICES—SUBJECT TO DISCOUNT, AND CODE WORDS.

For Picket Fence,	24 in. high.	30 in. high.	37 in. high.	43 in. high.	50 in. high.
-------------------	--------------	--------------	--------------	--------------	--------------

Fig. 4 shows Steel Gate and Corner Post, 2 inches outside diameter, with cast iron base.....

\$2.90	\$2.90	\$3.00	\$3.10	\$3.20
Riflorissi	Riferrammo	Rifervendo	Rifervessi	Riferviamo

Fig. 5 shows Steel (Pipe) Line Post, and ring to receive top rail, with cast iron base.....

\$1.40	\$1.40	\$1.45	\$1.50	\$1.55
Riflorito	Riffelkamm	Riffeln	Riffeltest	Riffraff

Fig. 7 shows Steel Gate and Corner Post for Stone Wall, 2 inches outside diameter.....

\$2.30	\$2.30	\$2.40	\$2.50	\$2.60
Rifancara	Rifiatammo	Rifiatando	Rifiatassi	Rifiatato

Fig. 8 shows Steel Pipe Line Post for Stone Wall.

\$0.90	\$0.90	\$0.95	\$1.00	\$1.05
Rifiatava	Rieflechi	Rifilatore	Riflorendo	Riflorisco

Fig. 6 shows Steel Hitching Post, 2½ inches outside diameter, 6 feet long, with three anchors and chain..each, \$3.00
Rifancano

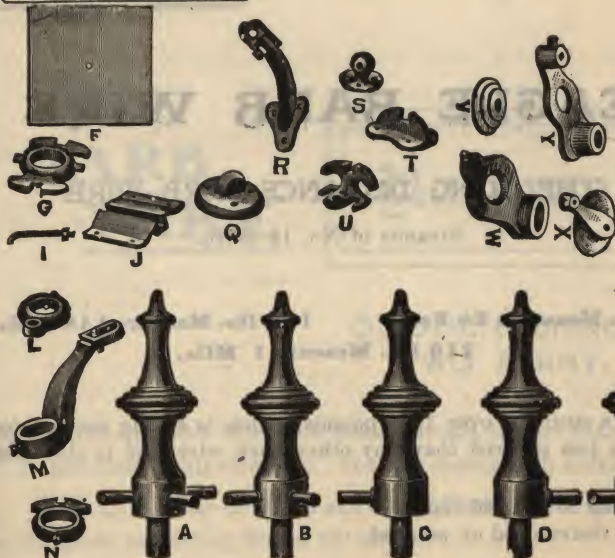
Steel Top Rail, 1½ inches outside diameter, drilled and fitted, 14 cents per foot; code word, Rifancare

All Gate, Corner, Line and Field Posts are DRIVEN to the required depth. This makes them much firmer than when holes are dug, and saves a great deal of labor.

Both posts and anchors are so constructed that they are not raised by frosts. In setting the Hitching Posts, it is necessary to dig the hole, as we use a bell-shaped anchor on the bottom of the post to prevent its being pulled out. and two anchors placed at right angles close to the surface of the ground, which gives it a lateral resistance equal to a 6-inch post.

DIRECTIONS FOR ERECTING OUR STEEL WEB PICKET FENCE.

- 1st.** *Drive Corner and End Posts*, then mark off the ground between them so as to get the other posts in line.
 - 2d.** *Drive the Gate Posts.* In placing the posts for single gates leave space 5 inches wider than gate to allow for hinges and latch; for double gate leave 8 inches extra space. Be careful to attach hinges and latch to posts before fastening the fence to them.
 - 3d.** *Drive Line Posts*, placing them 8 to 10 feet apart, with holes crossing line of fence. Always drive posts perpendicular and to proper depth so the fence will clear the ground by about two inches; be careful to get posts in line. Remove ornaments and top loops from posts while being driven.
 - 4th.** *The Top Rail* is to be screwed together until it is long enough to extend from one ornamental post to another; cut it off if necessary to make an exact fit, attach it to line posts by passing through the loops and the ends fit over the arms on ornaments. Now hang the gates.
 - 5th.** *Stretch the Fence* on framework thus formed as follows, using an ordinary wire stretcher; fasten all the cables to the farthest end post with hook bolts, being careful to get picket nearest the post perpendicular with it; carry the fence to the next corner post, stretch the middle cable first, then alternately those above and below, until all are stretched and fastened tightly to post with hook bolts, being careful while doing this to keep the pickets perpendicular, then go to next corner or end post and fasten in same way, cutting off cables neatly at the ends. Fasten top cable to rail by passing wire nails through the holes, hooking them over the cable and hammering down. Attach cables to line posts by wires twisted through the holes and fence is complete.
- If wood posts are used great care must be taken in bracing those at ends and corners to prevent their drawing over which would allow the fencing to sag between posts. The method of bracing illustrated on page 7 will give excellent results with the Steel Web Picket Fence.



FITTINGS FOR WOOD POSTS.

	LIST PRICES
R, S & U.....	per set, \$0.75
Q, T.....	“ .75
S, J.....	“ .75

FITTINGS FOR IRON POSTS.

A, B, C, D & E.....	each, \$0.75
F.....	“ .40
G.....	“ .30
J.....	“ .30
I.....	“ .10
L, M, N.....	per set, .75
L, J.....	“ .75

FITTINGS FOR IRON POSTS, STONE WALL OR WOOD BASE.

V, Y.....	per set, \$0.75
W, X.....	“ .90

In ordering any of these as extras,
always give letter under the piece
wanted.



This TRADE MARK will be
Found on Every Spool.

EAGLE BARB WIRE

THE LONG DISTANCE BARB WIRE.

Strands of No. 14 Wire.

1 lb. Measures 25 Feet.

100 lbs. Measure 148 Rods.

216 lbs. Measure 1 Mile.

EAGLE BARB WIRE will stand a strain of over 1,000 pounds, which is strong enough for all ordinary purposes. It costs less per rod than any other barb wire, and is the most economical to use.

Put up and sold in spools measuring 80 and 160 rods.

Made in hog, or thick set, only. Galvanized or painted.

BARB
WIRE

National

BARB
WIRE

GLIDDEN BARBS.
TWO POINT.

NATIONAL Barb Wire will stand a strain of more than 1,300 lbs., making it strong, durable and thoroughly effective. It saves money both in freight and price per rod.

Made in Regular or Cattle and Thick Set or Hog. Galvanized or painted. This wire is put up in spools measuring 80 and 120 rods.

GALVANIZED STEEL WEB PICKET TREE, FLOWER AND TOMATO GUARDS.

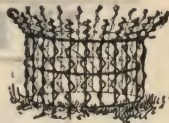


FLOWER GUARD

Tree and Flower Guards are made of same material as our Steel Web Picket Fence, with pickets $2\frac{1}{2}$ inches apart. They are very neat, and valuable in preserving trees and the larger shrubberies, such as rosebushes, etc.

Tomato Guards have pickets same distance apart, are 12 inches in diameter and 20 inches high. These are very cheap and will save many times their cost the first season in tomatoes, and if taken care of will last for many years.

Tree and Flower Guards are put up half dozen to the package, and Tomato Guards one dozen to the package.



TOMATO GUARD

List Prices—Subject to Discount.

		CODE WORD
5 feet 3 inches high, Tree Guards, 7 inches diameter.....	each, \$1.00	Retacabas
5 feet 3 inches high, Tree Guards, 9 inches diameter.....	" 1.20	Retacado
6 feet Tree Guards, 7 inches diameter.....	" 1.20	Retacais
6 feet Tree Guards, 9 inches diameter.....	" 1.30	Retacamos
24 inches high, Flower Guards, 12 inches in diameter.....	" .50	Retacara
24 inches high, Flower Guards, 18 inches in diameter.....	" .60	Retacarias
30 inches high, Flower Guards, 12 inches in diameter.....	" .55	Retactos
30 inches high, Flower Guards, 18 inches in diameter.....	" .75	Retacturam
20 inches high, Tomato Guards, 12 inches in diameter.....	" .30	Retacturos

AVERAGE SHIPPING WEIGHTS OF FENCING.

PICKET FENCE. Rolls of 300 feet.		CABLED FIELD AND HOG. 20 Rod Rolls.			M. M. S. FIELD AND CATTLE. 20 Rod Rolls.			M. M. S. POULTRY. 20 Rod Rolls.			
Standard.		Regular.			Field. Cattle.			Standard.		Close.	
Height.	Weight in lbs.	Weight in lbs.		Height.	Weight in lbs.	Weight in pounds.		Height.	No. 16.	No. 19.	No. 19.
24 inches.....	250	Height.	No. 1.	No. 2.	14 inches....	78	...	12 inches.....	59	29.....	35
30 ".....	310	21 inches....	117	100	18 ".....	98	...	18 ".....	89	35.....	41
37 ".....	370	24 ".....	145	125	25 ".....	118	88	24 ".....	120	48.....	54
43 ".....	435	30 ".....	165	135	31 ".....	138	108	30 ".....	138	58.....	65
50 ".....	500	35 ".....	190	160	37 ".....	158	128	36 ".....	155	62.....	68
Close Mesh.		42 ".....	215	175	43 ".....	178	148	42 ".....	173	70.....	75
Height.	Weight in lbs.	50 ".....	235	190	50 ".....	198	168	48 ".....	192	79.....	86
24 inches.....	320	58 ".....	255	210	56 ".....	218	188	60 ".....	241	97.....	104
30 ".....	390	Special.			63 ".....	238	208	72 ".....	277	107.....	114
37 ".....	460	Weight in lbs.			69 ".....	258	228	84 ".....	293	126.....	133
43 ".....	535	Height.	No. 1.	No. 2.	75 ".....	278	248	CABLED POULTRY, GARDEN AND RABBIT.			
50 ".....	610	21 inches....	110	85	81 ".....	298	...	In Rolls of 20 Rods.			
M. M. S. LAWN. 20 Rod Rolls.		24 ".....	120	100	88 ".....	318	...	Height.	Weight in lbs.		
Height.	Weight in lbs.	30 ".....	140	115	96 ".....	338	...	24 inches.....	145		
24 inches.....	85	42 ".....	175	140				37 ".....	185		
36 ".....	130	50 ".....	200	160				50 ".....	235		
48 ".....	165	58 ".....	225	175				63 ".....	260		
60 ".....	205										

TABLE OF VARIOUS PROPERTIES OF
STEEL WIRE.

National

National Gauge Numbers	Diameter Inches	Weight of 100 Feet Pounds	Weight of One Mile Pounds	Feet in 2000 Pounds	Area Square Inches	Breaking Strain 100,000 Pounds per Sq. In.
3	.460	56.10	2962	3,565	.166190	16,619
4	.430	49.01	2588	4,081	.145220	14,522
5	.398	40.94	2162	4,885	.121304	12,130
6	.3625	34.73	1834	5,759	.102921	10,292
7	.331	29.04	1533	6,886	.086049	8,605
8	.3065	25.06	1323	7,230	.074023	7,402
9	.283	21.23	1121	9,425	.062901	6,290
10	.2625	18.34	968	10,905	.054325	5,433
11	.2437	15.78	833	12,674	.046759	4,676
12	.2253	13.39	707	14,936	.039760	3,976
13	.207	11.35	599	17,621	.033653	3,365
14	.192	9.73	514	20,555	.028952	2,895
15	.177	8.03	439	24,906	.024605	2,461
16	.162	6.96	367	28,734	.020612	2,061
17	.1483	5.08	306	34,483	.017203	1,720
18	.135	4.83	255	41,408	.014313	1,431
19	.1205	3.82	202	52,356	.011309	1,131
20	.1055	2.92	154	68,498	.008659	866
21	.0915	2.24	118	89,286	.006647	665
22	.080	1.69	89	118,343	.005026	503
23	.072	1.37	72	145,985	.004071	407
24	.0625	1.05	55	190,476	.003117	312
25	.054	.77	41	259,740	.002250	229
26	.0475	.58	31	344,827	.001734	174
27	.041	.45	24	444,444	.001320	132
28	.0348	.32	17	625,000	.000962	96
29	.0318	.27	14	740,741	.000804	80
30	.0286	.21	11	952,381	.000615	62
31	.0258	.175	9.24	.....	.000491	49
32	.023	.140	7.39	.....	.000415	42
33	.0204	.116	6.124	.....	.000314	31
34	.0181	.093	4.91	.....	.000254	25
35	.0173	.083	4.382	.....	.000227	23
36	.0162	.074	3.907	.....	.000201	20
37	.015	.061	3.22	.....	.000176	18
38	.014	.054	2.851	.....	.000154	15
39	.0132	.050	2.64	.....	.000143	14
40	.0128	.046	2.428	.....	.000132	13
41	.0118	.037	1.953	.....	.000095	9.5
42	.0104	.030	1.584	.....	.000079	7.9
43	.0095	.025	1.32	.....	.000071	7.1
44	.009	.021	1.161	.....	.000064	6.4

Breaking strain is tabulated at 100,000 lbs. per sq. in., as any other tensile strength may be easily computed from it.

NATIONAL STEEL & WIRE COMPANY

**New York
De Kalb
San Francisco**

Owning and Operating

De Kalb Fence Company
De Kalb, Ill.

National Wire Corporation
New Haven, Conn.

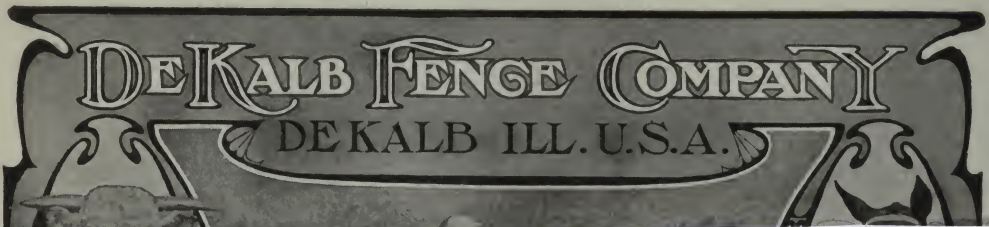
Union Fence Company
De Kalb, Ill.

National Steel Foundry Company
New Haven, Conn.

Kansas Steel & Wire Works
Kansas City, Mo.

Safety Insulated Wire & Cable Co.
Bayonne, N. J.

Pacific Steel & Wire Company
San Francisco, Cal.




DEKALB FENCE COMPANY

DEKALB ILL. U.S.A.

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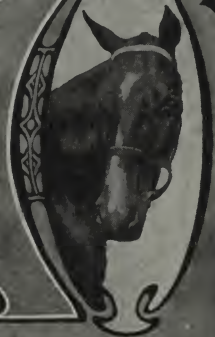


MANUFACTURERS OF

WIRE FENCING FOR ALL PURPOSES

DEKALB FENCE COMPANY

DEKALB ILL. U.S.A.



MANUFACTURERS OF

WIRE FENCING FOR ALL PURPOSES